

WE CLAIM:

1. A method for emulating a telephony driver to test an application to be used in a mobile device, comprising:
  - sending a command from the application to an emulation telephony driver (ETD);
  - translating the command to a network request;
  - modeling an expected response to the network request; and
  - sending the expected response.
2. The method of Claim 1, further comprising configuring the ETD such that the ETD simulates features supported by a wireless network.
3. The method of Claim 1, further comprising updating at least one network setting in the ETD based on the network request such that the application to be tested is implemented in the ETD.
4. The method of Claim 1, further comprising preventing unauthorized testing.
5. The method of Claim 1, further comprising registering a call back address associated with the network request in the ETD.
6. The method of Claim 5, wherein sending the response further comprises sending a success response to the registered call back address when modeling the response to the network request is successful.
7. The method of Claim 5, wherein sending the response further comprises sending a failure response to the registered call back address when modeling the network request is not successful.

8. The method of Claim 7, further comprising changing software code associated with the application.

9. The method of Claim 8, further comprising re-executing the network request after changing the software code associated with the application.

10. A system for emulating a telephony driver to test an application for use with a mobile device, comprising:

- an application layer that is arranged to store the application to be tested;
- a cellular core coupled to the application layer, that is arranged to receive a command associated with the application to be tested from the application layer; and
- an emulation telephony driver (ETD) coupled to the cellular core, the ETD being configured to perform the following actions:
  - receiving the command from the cellular core;
  - translating the command to a network request;
  - modeling a response to the network request; and
  - returning the response to the cellular core and the application layer that indicates whether the network request was successful.

11. The system of Claim 10, wherein the response is a response expected from a wireless network.

12. The system of Claim 10, wherein the application layer comprises a user interface, the response being returned to the user interface.

13. The system of Claim 10, wherein the ETD simulates a wireless network by maintaining network features supported by the application to be tested.

14. The system of Claim 10, wherein the ETD comprises a control interface that is arranged to change a network feature associated with the application to be tested in the ETD.

15. The system of Claim 10, wherein the ETD comprises a control interface that is arranged to configure the ETD such that the application can be tested using network fault injection.

16. The system of Claim 10, wherein the ETD comprises a configuration interface that is arranged to configure the ETD to support a network feature associated with the application to be tested.

17. The system of Claim 10, wherein the ETD comprises a network emulation module that is arranged to simulate problems and configurations associated with a wireless network.

18. The system of Claim 10, wherein the ETD comprises a handset emulation module that is arranged to store information associated with a handset of the mobile device.

19. The system of Claim 10, wherein the ETD comprises a telephony server emulation module that is arranged to emulate dialing a phone call.

20. A system for emulating a telephony driver to test an application to be used in a mobile device, comprising:

means for sending a command from the application to an emulation telephony driver;

means for translating the command to a network request;

means for modeling a response to the network request; and

means for sending the response.